

IN THE CLAIMS

Please amend claims 1-4 and 11 as follows.

This listing of the claims replaces all prior versions of the claims in the application.

1. (Currently Amended) An isolated cDNA comprising a nucleic acid sequence encoding a protein having the amino acid sequence of SEQ ID NO:1, or the complete complement of the cDNA thereof.
2. (Currently Amended) An isolated cDNA comprising a nucleic acid sequence selected from:
 - a) SEQ ID NO:2 or the complete complement of SEQ ID NO:2 thereof;
 - b) a fragment of SEQ ID NO:2 selected from a nucleic acid sequence consisting of SEQ ID NOs:4-5 or the complement of SEQ ID NO:4-5; and
 - c) a variant of SEQ ID NO:2 comprising SEQ ID NO:7.
3. (Currently Amended) An isolated cDNA ~~comprising~~ consisting of a nucleic acid sequence ~~of selected from~~ SEQ ID NO:~~24-5~~, or the complete complement thereof.
4. (Currently Amended) A composition comprising the cDNA or the complete complement of the cDNA of claim 1 and a labeling moiety.
5. (Previously Presented) A vector comprising the cDNA of claim 1 encoding a protein having the amino acid sequence of SEQ ID NO:1.
6. (Previously Presented) An isolated host cell comprising the vector of claim 5.
7. (Previously Presented) A method for using a cDNA to produce a protein, the method comprising:
 - a) culturing the host cell of claim 6 under conditions for protein expression; and

- b) recovering the protein of SEQ ID NO:1 from the host cell culture.
8. (Previously Presented) A method for using a cDNA to detect expression of a nucleic acid in a sample comprising:
- a) hybridizing the composition of claim 4 to nucleic acids of the sample under conditions to form at least one hybridization complex; and
 - b) detecting hybridization complex formation, wherein complex formation indicates expression of the nucleic acid in the sample.
9. (Original) The method of claim 8 further comprising amplifying the nucleic acids of the sample prior to hybridization.
10. (Original) The method of claim 8 wherein the composition is attached to a substrate.
11. (Currently Amended) The method of claim 8 wherein the nucleic acid of the sample hybridizes with the complete complement of the cDNA encoding SEQ ID NO:1, and is differentially expressed when compared with a standard, and wherein the differential expression is diagnostic of a colon cancer or colon polyps in the sample.
12. (Original) A method of using a cDNA to screen a plurality of molecules or compounds, the method comprising:
- a) combining the cDNA of claim 1 with a plurality of molecules or compounds under conditions to allow specific binding; and
 - b) detecting specific binding, thereby identifying a molecule or compound which specifically binds the cDNA.
13. (Previously Presented) The method of claim 12 wherein the molecules or compounds are selected from DNA molecules, RNA molecules, peptide nucleic acids, artificial chromosome constructions, peptides, or transcription factors.

14. (Withdrawn) A purified protein or a portion thereof selected from:
 - a) an amino acid sequence of SEQ ID NO:1;
 - b) an antigenic epitope of SEQ ID NO:1; and
 - c) a biologically active portion of SEQ ID NO:1.

15. (Withdrawn) A composition comprising the protein of claim 14 and a pharmaceutically acceptable carrier.

16. (Withdrawn) A method for using a protein to screen a plurality of molecules or compounds to identify at least one ligand, the method comprising:
 - a) combining the protein of claim 14 with the molecules or compounds under conditions to allow specific binding; and
 - b) detecting specific binding, thereby identifying a ligand which specifically binds the protein.

17. (Withdrawn) The method of claim 16 wherein the molecules or compounds are selected from DNA molecules, RNA molecules, peptide nucleic acids, peptides, proteins, mimetics, agonists, antagonists, antibodies, immunoglobulins, inhibitors, and drugs.

18. (Withdrawn) A method of using a protein to prepare and purify antibodies comprising:
 - a) immunizing a animal with the protein of claim 14 under conditions to elicit an antibody response;
 - b) isolating animal antibodies;
 - c) attaching the protein to a substrate;
 - d) contacting the substrate with isolated antibodies under conditions to allow specific binding to the protein;
 - e) dissociating the antibodies from the protein, thereby obtaining purified antibodies.

19. (Withdrawn) An antibody produced by the method of claim 18.

20. (Withdrawn) A method for using an antibody to diagnose conditions or diseases associated with expression of a protein, the method comprising:

- a) combining the antibody of claim 19 with a sample, thereby forming antibody:protein complexes; and
- b) comparing complex formation with a standard, wherein the comparison indicates expression of the protein in the sample.

21. (Withdrawn) The method of claim 20 wherein expression is diagnostic of a colon cancer or colon polyps.